

BASEMENT TECTONICS 11

Proceedings of the International Conferences on Basement Tectonics

VOLUME 5

The titles published in this series are listed at the end of this volume.

BASEMENT TECTONICS 11

Europe and Other Regions

Proceedings of the Eleventh International Conference
on Basement Tectonics, held in Potsdam,
Germany, July 1994

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and

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FOREWORD

The Eleventh International Conference on Basement Tectonics was held at the GeoForschungsZentrum Potsdam in Germany 25-29 July 1994. It was the first time that a meeting of this series took place in the centre of Europe and the first such meeting in this area after the recent political changes in eastern Europe. Consequently, the main theme of the meeting focussed on the structure and history of the entire European continent. Further themes were grouped around topics of current interest. Keynote lectures on these topics were given by A. Berthelsen, St. Mueller, A. Green, and D. Fountain. The technical sessions were arranged with support of the Scientific Committee on the following topics:

1. Continental scale features of basement rocks of phanerozoic cratons - with emphasis on Europe
2. Extrapolation and correlation of geological and geophysical data from basement rocks: an assessment
3. Mechanisms of basement exhumation in the evolution of orogenic belts
4. Structure and intraplate deformation of the North-American craton

Papers submitted to this volume have however all been collected in one part since all of them deal with different aspects of deformation of the continental basement. A second part contains a complete list of all papers and posters presented at the meeting.

Field trips to study some of the above mentioned aspects in the Harz mountains, the Granulite Massif, and the Erzgebirge were organized by P. Bankwitz, P. Frischbutter, J. Rötzler, K. Rötzler, and B. Mingram. Their assistance is gratefully acknowledged.

The meeting brought together 145 scientists from more than 25 countries, more than a third of them from east-European countries. Their participation as well as the entire meeting would never have been possible without the generous technical and financial support of several institutions: The GeoForschungsZentrum Potsdam as the organizing institution, the Ministry of Science, Research and Culture of the State of Brandenburg, the German Research Council (DFG), and the University of Potsdam. Their support is gratefully acknowledged.

Last not least the organizing committee wishes to thank all members from the GFZ which helped with the organisation, the registration desk, slide projection, transport etc. G. Wolff and M. Bach especially have helped to manage all technical challenges which arised before, during, and after the meeting. We thank all delegates which have helped with their attendance and contributions to make the meeting a success. Finally, we thank the Trustees of the International Basement Tectonics Incorporated for entrusting the Conference to Potsdam.

O. Oncken
Convener